

APPARATUS AND MANUFACTURING METHOD FOR BORDER LIGHTING

Abstract of Disclosure

A border lighting strip (10) includes an electrical cable (14) having a plurality of electrical conductors (14A, 14B). A plurality of light emitting devices (LEDs) (12) arranged alongside the electrical cable (14) and electrically connected (12A, 12B) thereto. An essentially hollow extruded sheath (16) of translucent or transparent material is adapted to receive the LEDs (12). The sheath (16) also includes an integrally formed cylindrical lens (18) arranged to optically cooperate with the LEDs (12). A method (200) for manufacturing a lighting strip includes electrically connecting (202, 204, 206, 208) a plurality of light emitting devices to an electrical cable to form a linear light source (214), extruding (216) a transparent or translucent sheath adapted to receive the linear light source (214), and inserting (218) the linear light source into the extruded sheath to form the border lighting strip (220).

Figures

Figure 1: A line graph showing the relationship between the number of figures and the number of pages. The x-axis is labeled 'Number of Figures' and ranges from 0 to 10. The y-axis is labeled 'Number of Pages' and ranges from 0 to 10. The data points are as follows:

| Number of Figures | Number of Pages |
|-------------------|-----------------|
| 0 | 1 |
| 1 | 2 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 7 |
| 7 | 8 |
| 8 | 9 |
| 9 | 10 |
| 10 | 11 |